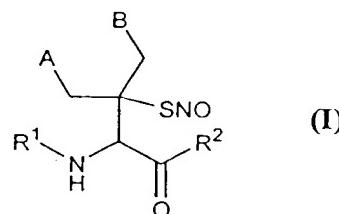


ABSTRACT

Novel S-nitrosothiols derivatives of penicillamine or glutathione, which correspond to following general
5 formula(I)



in which:

A and B are phenyl groups or together form the rest -CH₂-Q-CH₂- constituting a ring of six units in which Q represents an atom of oxygen, of sulfur, or a
10 group N-R³, in which R³ is hydrogen or an alkyl group C₁-C₄;

R¹ is an acyl rest, which may be an aliphatic acyl group C₁-C₅ or a rest of glutamic acid bound via its non amino acid carboxyl;

15 R² is a hydroxyl group or a glycine rest bound via a peptide bond;

with the proviso that if R¹ is an aliphatic acyl rest then R² is a hydroxyl group, and if R¹ is a rest of glutamic acid then R² is a glycine rest.

20 The novel compounds have vasodilating activity and inhibit the aggregation of the platelets, which make them useful for the treatment of dysfunctions of the circulatory system, specially at cardiovascular level.